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Copyright (c) 1993 - 2000 Comp
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51: em_us:*

51: em_vi:*

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60: gb_htg1:*

60: gb_htg2:*

60: gb_htg9:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

## SUMMARIE

							۵	Result		
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1871	1934	1086	1228	2800	5300	170425	79376	Query Match Length DB		
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KEYWORDS
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  During sequence assembly data is compared from overlapping clones. Where differences are found these are annotated as variations together with a note of the overlapping clone name. Note that the variations annotated may not be found in the sequence submission corresponding to the overlapping clone as we submit sequences with only a small overlap as described above.
                                                                                                                                                                                           Submitted (27-OCT-1997) Chromosome 1 Project Group (http://www.sanger.ac.uk/HGP/Chrl/) Sanger Centre, Hinxton, Cambridgeshire, CBLO 1SA, UK. E-mail enquires: humquery@sanger.ac.uk Clone requests: clonerequest@sanger.ac.uk On Feb 14, 1998 this sequence version replaced gi:2465060.

IMPORTANT: This sequence is not the entire insert of clone 45466. It may be shorter because we only sequence overlapping sections once, or longer because we arrange for a small overlap between
                                                                                                                                                                               neighbouring submissions.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      298750.1 GI:2887277 1q24; myocilin; TIGR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HS454G6 79376 bp DNA PRI 23-NOV-1999 Human DNA sequence from PAC 454G6 on chromosome 1q24. Contain: trabecular meshwork include glucocorticoid response protein micro micro micro concentration of the protein micro micro micro concentration of the protein micro micro concentration of the protein micro concentration of the protein micro concentration of the protein concentration of the protein
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                                                                                                                                                                                                                                                                                                                                                                                                                                           Direct Submission
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A84851
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AR030963
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A84847
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AC007688
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I36471 Sequence 3
AB013592 Mus muscu
AF039869 Mus muscu
AF039867 Rattus no
AF039567 Rattus no
AF03758 Bos tauru
AF007564 Homo sapi
AC007488 Homo sapi
AC0012404 Homo sapi
AC0012404 Homo sapi
AC0012407 Homo sapi
AC009407 Homo sapi
L78810 Homo sapi
L78810 Homo sapi
AC012404 Homo sapi
AL160165 Human DNA
AL021453 Human DNA
AC025947 Homo sapi
AC015488 Homo sapi
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A84847 Sequence 2
A84850 Sequence 2
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136470 Sequence 2
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A84851 Sequence 3
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AR030963 Sequence
AR066023 Sequence
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AR030962 Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4659.
                                                                                                                                                                         16856
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/note="THE1B : 18877. .19180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .4851
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left end of clone 560B9 is at 79273.
454G6 is from the library RPCI3 constructed at the Roswell Park Cancer Institute by the group of Pieter de Jong.
For further details see http://bacpac.med.buffalo.edu/.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       mapping group. Further information can be found at http://www.sanger.ac.uk/HGP/Chrl/
This sequence has been finished according to sequence map criteria as follows. An attempt is made to resolve all sequencing problems, such as compressions and repeats, but not necessarily within known annotated human repeat sequence elements (e.g. Alu). Where the sequence is ambiguous, there is an annotation using the 'unsure'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        feature key.
The true left end of clone 454G6 is at 1 in this sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note="match: multiple ESTs match: R5676 AA043968 W63639 F12081 AA046699 match: R56676 AA043968 W63634 R36066 AA313383 match: P02925 AA131540 W00634 R36066 match: AA163561 F02925 AA131540 W00634 R36066 match: AA313383 AA163561 N89173 AA174814 AA057059 match: AA329084 W47082 AA043955 AA341783 AA353681 match: AA046487 AA369741 H08313 AA186895 H32730 match: H08333 H08236 N42052 D61944 R27102 N32353 match: N30491 AA307150 AA192"
                 /note="AluSg repeat: matches 15.
18294. .18650
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note="22 copies of 2 mer 89 % conserved"
4051    .4183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note="19 copies of 2 mer 1914. .>3968
                                                                                                                                                                                                                  /note="endogenous retroviral sequence"
10949. .11384
                                                                                                                                                                                                                                                                 /note="TIGGER1 repeat: matches 2175. .2417 of consensus" <10903. .>16855
                                                                                                                                                                                                                                                                                                              /note="AluSp repeat: matches 1. 10643. .10856
                                                                                                                                                                                                                                                                                                                                                              9639. .10335
/note="TIGGER1 repeat: matches 1469. .2174 of consensus"
10343. .10642
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /organism="Homo sapiens"
/db_xref="taxon:9606"
/chromosome="1"
/map="1q24"
                                                                                                                                                                                                                                                                                                                                                                                                                               /note-"AluSg repeat: matches 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              7933. .9328
/note="TIGGER1 repeat:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /note-"AluSq repeat:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note-"AluSq repeat:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note="MIR repeat: matches 174. .1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /note="AluSx repeat:
incomplete repeat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /clone_lib="RPCI-3"
                                                                                                                                                                                           'note-"LTR2 repeat:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note="AluJo repeat:
incomplete repeat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /clone="RP3-454G6"
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                                                                                                                "18 copies of .17286
                                                                                                                                                                       .15870
                                                                                          repeat:
repeat:
                                                                                                                                                                                           matches 31. .449 of consensus"
                                                                                            matches 31.
                                                                                                                                       2 mer 83 % conserved
matches 358.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 matches 1. .1472 of consensus*
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         132. .1 of
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                                                                                                                                                                                                                                                                                                                                                                                                                                    .289 of consensus"
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                                                                                            .449 of consensus"
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                                             .300 of consensus"
.1 of consensus'
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5634043 te="MIR repeat: matches 80167 of consens 2534904 te="AluJo repeat: matches 299127 of cons omplete repeat"	repeat_region repeat_region
3408. 33667 3408. 33667 note="Ally repeat: matches 1291 of consens	epeat_regi
ote="MIR repeat: matches 20667 of cons 28333399	epea
3220032301 /note="AluJo repeat: matches 186287 of consens incomplete repeat" 32365 32403	repeat_region
1836 note="A	epeat_r
te-"AluSc repeat: matches 2991 of consens	epeat_re
.31222 MER4B re	repeat_region
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0230539 te="MLT2B repeat: matches 264404 of co 0230615	repeat_region
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-"AluSx repeat: matches 1302 o29334	epeat_re
	repeat_region
eat: matches 2449 of	repeat_region
ement(2365224072) ="STS G07436" 24290	misc_feature repeat_region
1Sp re 13680 13075	misc_feature
.22839 "AluSx repeat: matches 3021 o .23309	repeat_region
ັ້ນີ້	epeat_re
<pre>consensus 2197822357 /note="MLT2_internal repeat: matches 32182839 consensus"</pre>	repeat_region
703 2_internal repeat: matches 3887. ,35	repeat_region
2_internal repeat: matches 45204433	repeat_region
"MLTIF repeat: matches 4821 of con2123	epeat_re
01e	epeat re
005	repeat_region
note-"MLT2_	1
<pre>/note="Alux repeat: matches 3012 of consensus' 19767</pre>	reneat region
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Qy Db 67	Qy Db 67	Qy Db 67	Qy Db 67	Qy Db 68	Qy Db 68	Qy Db 68	Qy Db 68	Qy Db 68	Qy Db 68	Qy Db 68	Quer Best Matc	Ħ	ק			ב ב	7	r	r	r r
601 agcaaaatca           806 AGCAAAATCA	541 ggcatcacto	481 aaacgtcaaaa 	421 taattaagta           986 TAATTAAGTA	361 atgaggacca            046 ATGAGGACCA	301 gagagcaaat           106 GAGAGCAAAT	241 catcaaacag            166 CATCAAACAG	181 cagatgttgctcctga 	121 ggaagaagga            286 GGAAGAAGGA	61 tcctataaac            346 TCCTATAAAC	1 atctttgttc            406 ATCTTTGTTC	ry Match st Local Similari ches 6165; Cons	epeat_region	epeat_region	epeat_region	peat_region	epeat_region	repeat_region	epeat_region	peat_regio	epeat_region
aaaattccgcaaatgcaggaggaaaatgggggactgggaaagctttcataac	otggggaggcaagttcaggaaggtcatgttagcaaaggacataacaataac 	agcatgatctgatcagatcccaaagtggattattattttaaaaaaccagat 	taattaagtatttgttccttgggaagagacctccatgtgagcttgatggggaaaatgggaa 	tgaggaccaaaatcaatgaataaggaaaacagctcagaaaaaagatgtttccaaattgg 	agagcaaataatgatgaaaaataaacttttccctttgtttttaatttcaggaaaaaatg 	catcaaacaggagctaagaaacaggaatgagatgggcacttgcccaaggaaaaatgccag 	tcctgacagaagctattcttcaggaaacatcacatccaatatggtaaatc	gaagaaggagtatccacgttagccaagtgtccaggctgtgtctgctcttattttagtga 	tcctataaactgtatagcctccattcggatgtatgtctttggcaggatgataaagaatca 	tgaaatgagataaccaatgtgaaag 	99.0%; Score 6105.4; DB 92; Length 79376; ty 99.8%; Pred. No. 0; ervative 0; Mismatches 1; Indels 9; Ga	eat" epeat: matches 21303 of conser	<pre>consensus 40757, 41023 /note="AluJo repeat: matches 37, .301 of consensus</pre>	e-"THELA repeat: matches 3342 of consensus 540120 e-"THE1B-INTERNAL repeat: matches 15801234	matches 3296 of cons	matches 1	epeat: matches 1302 of consensus	epeat: matches 2991 of consens	epeat: matches 1331 o eat"	n 3490735207 /note="Alux repeat: matches 3001 of consensus" n 3521235344
660 67747	600 67807	540 67867	480 67927	420 67987	360 68047	300 68107	240 68167	180 68227	120 68287	60 68347	1ps 5;	•	-	Offi .						

Catcactttottccotcatcotcattttcagg 
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BATAACTTGAATGGTTTACTAAACCAACAGG 
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65587	TTAATGGGAATATAGGAAGCGAGCTCATTTCCTAGGCCGTTAATTCACGGAAGAAGTGAC	65646	Db
2820	taatgggaatataggaagcgagctcatttcctaggccgttaattcacggaagaagtga	2761	Qy
2760 65647	ataaagtcagctgttaaaattccagggtgtgcatgggttttccttcacgaaggcctttat	2701 65706	Db Qy
7 0	ttlototgottggaggagaagaagtotatttoatgaagggatgoagtt 	2641 65766	Db Qy
57		00 (	Db 43
58	GGGGACGCTGGGGGCTGAGCGGGTGCTGAAAGGCAGGAAGGTGAAAAGGGCAAGGCTGA	88	2: D
B	t9g9gacgctg9g9ctgagcg9g9tgctgaaaggcaggaaggtgaaaagggcaaggctgaa	252	Qy
2520 65887	ctcagagggaaaggggcttccacgtccaggagaattccaggaggtggggactgcagggag	2461 65946	Qy Db
2460 65947	ccagaaaggaaatggagagggaaactagtctaacggagaaatctggaggggacagtgtttc 	2401 66006	Qy Db
66007	goctogottocograaatogrootggregatorgagotggagactoctriggotcoaggot	66066	da Vy
60	coccaagcocgagtottocaagcotcotoctcoatcagtcacagcgctgcagctgcagct 	12	ОУ
61	gcatcocttaacaaggccacctccctagcgccccctgctgccccatcgtgcccggag 	18	Qy
2220 66187	gccaacttaaacccagtgctgaaagaaaggaaataaacaccatcttgaagaattgtgcgc 	2 1	Qy Db
20 6	CCTACCTTCGTGGAGGTGACAGTTTCTCATGGAAGACGTGCAGAAGAAAATTAATAGCCA	i ii	Qy Db
2100 66307	tattgagtacttatatctgccagacaccagagacaaaatggtgagcaaagcagtcactgc 	2041 66366	Qy Db
2040	gacctgttgctttctatttctgtgtgactcgttcattcat	1981 66426	Qy Db
1980 66427	tgggtgtcctgagcaacctgccagcccgtgccactggttgttttgttatcactctctagg	1921 66486	Qy Db
1920 66487	tgaagcccccggcagaggtttcctctccagctgggggagccctgcaagcacccggggtcc 	1861 66546	Qy Db
1860 66547	ttccatttggggccatctgtgtgtgtgtataggggaggagggcataccccagagactcct 	1801	Qy Db
1800 66607	caccatgcttttgtggtaagcctccacatcgttactgaaataagagtatacataaactag	1741 66666	Qy Db

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64507	CATTTCAGCGATGTTTACTATCTGATTCAGAAAATGAGACTAGTACCCTTTGGTCAGCT	64566	밁
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Boukhgalter, B., Brown, A., Burkett, G., Campopiano, A., Castle, A.,
Choepel, Y., Colangelo, M., Collins, S., Collymore, A., Cooke, P.,
DeArellano, K., Dewar, K., Dlaz, J.S., Dodge, S., Domino, M., Doyle, M.,
Ferrestor, J., Ferreira, P., FitzHugh, W., Forrest, C., Gage, D.,
Galagan, J., Gardyna, S., Ginde, S., Goyette, M., Graham, L.,
Grand-Pierre, N., Grant, G., Hagos, B., Heaford, A., Horton, L.,
Grand-Pierre, N., Grant, G., Hagos, B., Heaford, A., Horton, L.,
Kiein, J., Landers, T., Largocque, K., Lehoczky, J., Levine, R.,
Lieu, C., Liu, G., Locke, K., Macdonald, P., Marquis, N., McCarthy, M.,
McEwan, P., McGurk, A., McKernan, K., McPheeters, R., Meldrim, J.,
McBwan, C.H., O'Connor, T., O'Donnell, P., O'Neil, D., Olivar, T.M.,
Peterson, K., Pierre, N., Pisani, C., Pollara, V., Raymond, C.,
Riley, R., Rogov, P., Rothman, D., Roy, A., Santos, R., Schauer, S.,
Severy, P., Spencer, B., Stange-Thomann, N., Stojanovic, N.,
Subramanian, A., Talamas, J., Tesfaye, S., Theodore, J., Tirrell, A.,
Travers, M., Trigilio, J., Vassiliev, H., Viel, R., Vo, A., Wilson, B.,
Wu, X., Wyman, D., Ye, W.J., Young, G., Zainoun, J., Zimmer, A. and
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                                                                                                     Summary Statistics
Sequencing vector: M13; M77815; 100% of reads
Chemistry: Dye-terminator B1g Dye; 100% of reads
Assembly program: Phrap; version 0.960731
Consensus quality: 151403 bases at least Q40
Consensus quality: 160439 bases at least Q30
Consensus quality: 164708 bases at least Q20
Insert size: 167720; sum-of-contigs
Quality coverage: 4.1 in Q20 bases; sum-of-contigs
Quality coverage: 4.1 in Q20 bases; sum-of-contigs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       All repeats were identified using RepeatMasker:
Smit, A.F.A. & Green, P. (1996-1997)
http://ftp.genome.washington.edu/RM/RepeatMasker.html
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Birren,B., Linton,L., Nusbaum,C. and Lander,E.
Homo sapiens chromosome 1, clone RP11-138F3
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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consists of 28 contigs. is not known and their of
                                                       NOTE: This is a 'working
                                                                                                                                                                                                                                                                                                                                                                                                                                       Center project Information Center project name: L7153 Center clone name: 138_F_3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Center: Whitehead Institute/ MIT Center code: WIBR
Web site: http://www-seq.wi.mit.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (bases 1 to 170425)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Contact: sequence_submissions@genome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ---- Genome Center
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The true order of the pieces
                                                          draft' sequence.
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26138 26237: gap of 100 bp 26238 29858: contig of 3621 bp in length 29859 29958: gap of 100 bp 36225 36225: contig of 6267 bp in length 36226 36325: gap of 100 bp 36226 36326: contig of 7203 bp in length 49494 49593: gap of 100 bp 36226: contig of 7203 bp in length 56896: gap of 100 bp 36226: contig of 5964 bp in length 62961 72523: contig of 5964 bp in length 62961 72523: contig of 5964 bp in length 7253 72652: gap of 100 bp 363310: contig of 10658 bp in length 7253 30922: contig of 10658 bp in length 92993 30922: gap of 100 bp 36311 83410: gap of 100 bp 3631 83410: gap of 100 bp 103886: contig of 10794 bp in length 103887 103986: contig of 15432 bp in length 119518: gap of 100 bp 119518: gap of 1000 bp 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    7098 8534: contig of 1437 bp in length
8535 8634: gap of 100 bp
8635 10164: contig of 1530 bp in length
10165 10264: gap of 100 bp
10265 10487: contig of 223 bp in length
10488 10587: gap of 100 bp
10588 12420: contig of 1833 bp in length
12421 12520: gap of 100 bp
12521 14843: contig of 2323 bp in length
14444 14943: gap of 100 bp
14944 17265: contig of 2323 bp in length
17266 17365: gap of 100 bp
17366 20071: contig of 3322 bp in length
17365 20071: contig of 3360 bp in length
20172 23531: contig of 3360 bp in length
23532 236331: gap of 100 bp
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1401 2412: c
2413 2512: gap c
2513 4147: c
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         1401. .2412
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2513. .4147
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8 5455: gap 6
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                                                                     note="assembly_fragment"
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119518: gap of 100 bp
136695: contig of 17177 bp
136795: gap of 100 bp
153077: contig of 17182 bp 1.54077: gap of 17182 bp 1.70425:
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20172. .23531
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                                                                                                                                                                                                                                                  0; Mismatches
                                                                                                                                                                                                                                                                      Score 6054.4;
Pred. No. 0;
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FEATURES

**Bource** 

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63804

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64944	TCCCCTGTGCAGCCCATCCCCGCTCCACAGGAAGTCTCCCCACTCTAGACCTTCTGCATCAC	64885	B 2
عا ده ا	CCAAGTGCCTCAACCATTGTTAACGTGTCATCTCAGTAGGTCCCATTACAAATGCCACC	13	
1135	tgatctgtcatagccctcacacacaggcccgatgtgtctgacctacaaccaccatctacaa	1076	ρ
64824		64765	δ
1075 64764	gctccggataggtcagaaatcattagaaatcactgtgtccccatcctaactttttcagaa	1016 64705	B 8
1015	atcagtttagacatgggtcccaattttataaagtcaggcatacaaggataacgtgtccca	956	용 성
64704		64645	
955	aactcttgaaagatcatgaattttaaccattttaagtataaaacaaatatgcgatgcata	896	B 8
64644		64585	
895	CB9CB999BCCCt9B99Cattt9CctttaggaBg9CCagttttcttaaggaBtcttaaga	836	용 성
64584		64525	
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64524		64465	9
775 64464	CABBBALT9BCT999CTAB9CCT99aCTTCCAG999GBBLTGABABACT9A9A9CBBBA	716 64405	용 성
715	ataacagtgattaggcagttgaccatgttcgcaacacctccccgtctataccagggaaca	656	음 성
64404		64345	
655	ataacagcaaaatcaaaattccgcaaatgcaggaggaaaatgggggactgggaaagctttc	596	요 원
64344		64285	
595	cagatggcatcactctggggaggcaagttcaggaaggtcatgttagcaaaggacataaca	536	유 성
64284		64225	
535 64224	99988888cgtca888gc8tgatctgatcagatccca8agtggattattatttta8888c	476 64165	문왕
475 64164	attggtaattaagtatttgttccttgggaagagacctccatgtgagcttgatgggaaaat	416 64105	B 성
415 64104	BABIGBIGBGGACCBBBICBBIGBBIGBGBGBGCCBGBBBBBGBGTCBGBBBIGBITCCBBBILLIIIIIIIIIIIIIIIIIIIIIIIIIIIII	356 64045	유 성
355 64044	GCCAGGAGAGCAAATAATGATGAAAAAATAAACTTTTCCCTTTGTTTTTAATTTCAGGAAA	296 63985	B 8
295	abatccatcaacaggagctaagaaacaggaatgagatgggcacttgcccaaggaaaaat	236	å
63984		63925	8
235	agtgacagatgttgctcctgacagaagctattcttcaggaaacatcacatccaatatggt	176	B &
63924		63865	
63864	AATCAGGAAGAAGGAGTATCCACGTTAGCCAAGTGTCCAGCCTGTGTCTGCTCTTATTTT	63805	В

2335	ggaggcccccaagcccgagtcttccaagcctcctccatcagtcacagcgctgcagct	2276	Qу
66024		65965	Db
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65964		65905	Db
2215	agccagccaacttaaacccagtgctgaaagaaagaaataaacaccatcttgaagaattg	2156	Qy
65904		65845	Db
2155	actgccctaccttcgtggaggtgacagtttctcatggaagacgtgcagaagaaaattaat	2096	Qу
65844		65785	
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65784		65725	Дъ
2035	ctagggacctgttgctttctatttctgtgtgactcgttcattca	1976	Qy
65724		65665	Db
1975	ggtcctgggtgtcctgagcaacctgccagcccgtgccactggttgtttttgttatcactct	1916	Оу
65664		65605	
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3475	3416 cacggagtgacctgcagcgcaggggaggagaagaaaaagagagggatagtgtatgagcaa	οy
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98165818
                                                                                                                    Submitted (10-JUN-1997) Ophthalmology, University of California Francisco, 10 Kirkham Street, San Francisco, CA 94143-0730, USA Location/Qualifiers
                                                                                                                                                            2 (bases 1 to 5300)
Nguyen,T.D., Chen,P.,
Direct Submission
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Eukaryota; Metazoa; Chordata; Crai
Eukaryota; Metazoa; Chordata; Cata
Mammalia; Eutheria; Primates; Cata
1 (bases 1 to 5300)
Nguyen, T.D., Chen, P., Huang, W.D.,
Polansky, J.R.
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Homo sapiens trabecular meshwork inducible oprotein (TIGR) gene, promoter region and par
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d from glucocorticoid-induced
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	RNA with	/note="additional 3' sequence deposited as TIGR m GenBank Accession Number U8557" /product="trabecular meshwork inducible glucocort response protein" 1483 a 1152 c 1236 g 1429 t	COUNT	BASE

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Qy 961 tttagacatgggtcccaattttataaagtcaggcatacaaggataacgtgtcccagc
Db 901 TTGAAAGATCATGAATTTTAACCATTTTAAGTATAAAACAAATATGCGATGCATAAT

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2880	TGGAGTCTTTTCTTTCATGTCTTCTGGGCAACTACTCAGCCCTGTGGTGGACTTGGCTTA:	2821	рь <b>.</b>
8 8	TANTEGGANTATAGGAAGCGACCTCATTTCCTAGGCCGTTAATTCACGGAAGAAGTGAC	m ~	5 5
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7	aaaqtcaqctqttaaaaattccaqqqtqtqcatqqqttttccttcacqaaaqcotttat	7	o <sub>y</sub>
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2340 2340	CCCCCAAGCCCGAGTCTTCCAAGCCTCCTCCATCACTCAC	2281 2281	₽ <b>Q</b>
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4140	tgctcaaaggcaatcattatttcaagtggcttaaagttacttctgacagttttggtatat	4081	Qy
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2 (bases 1 to 2800)
Fingert,J.H., Ying,L., Swiderski,R.E., Nystuen,A.M.,
Alward,W.L.M., Sheffield,V.C. and Stone,E.M.
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5949	tccccagacccgagacactgctcgggctgtgccaccaggctccagagaaggtaagaatg	5890	Qy
2458	ATCTGGCCAGGAGGTTGGAAAGCAGCAGCCAGGAGGTAGCAAGGCTGAGAAGGGGCCAGT	2399	DЬ
5889	tctggccaggaggttggaaagcagcagcaggaggtagcaaggctgagaaggggccag	5830	Qy
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2218	TGGAGGCCACCAAAGCTCGACTCCCTGGAGAGCCTCCTCCACCAATTGACCTTGG	2159	Db
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2158	GCCAGGCCATGTCAGTCATCCATAACTTACAGAGAGACAGCACCCCAACGCTTAGACC	2099	Db
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5529	ccyatgccagtataccttcagtgtggccagtcccaatgaatccagctgcccagagcag	5470	Qy
2038	GCTGGTGTGGGATGTGGGGGCCAGGACAGCTCAGCTCAG	1979	DЪ
5469	cctggtgtggggatgtgggggccaggacagctcagctca	5410	Qy
io		9	DЬ
5409	tgcacgttgctgcagctttgggcctgagatgccagctgtccagctgctgcttctggcc	5350	Qy
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5349	tcagcacagcagagctttccagaggaagcctcaccaagcctctgcaatgaggttcttc	5290	Оу
1858	TATATATAAACCTCTCTGGAGCTCGGGCATGAGCCAGCAAGGCCACCCATCCAGGCACCT	1799	ДD
5289	atatataaacctctctggagctcgggcatgagccagcaaggccacccatccaggcac	5230	Qy
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5049	tgtacgtgtgtgtgtgtgtgtgtgtgtgtgtgtaaaaaccaggtggagatataggaact	4990	Qy
1558	ATATAAACTAGAAATATATCCTTGTTGAAATCAGCACACCAGTAGTCCTGGTGTAAGTGT	1499	ДЪ
4989	tataaactaqaaatatatccttgttgaaatcagcacaccagtagtcctggtgtaagtg	4930	Qу

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                                                                                                                               Submitted (16-AUG-1997) to the DDBJ/EMBL/GenBank databases. Nobuyoshi Shimizu, Kelo University School of Medicine, Department of Molecular Biology; 35 Shinanomachi, Shinjuku-ku, Tokyo 160-8582, Japan (E-mail:shimizuedmb.med.kelo.ac.jp, Tel:81-3-3351-2370(ex.2720), Fax:81-3-3351-2370)
                                                                                                                                                                                                                                                                                                                                                                                                                                               Stone, E.M., Fingert, J.H., Alward, W.L., Nguyen, T.D., Polansky, J.R., Sunden, S.L., NIShimura, D., Clark, A.F., Nystuen, A., Nichols, B.E., Ritch, R., Kalenak, J.W., Craven, E. and Sheffield, V.C. Identification of a gene that causes primary open angle glaucoma Science 275 (5300), 668-670 (1997)
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Isolation and characterization of cell-specific cDNA clones subtractive library of the ocular ciliary body of a single r human donor: transcription and synthesis of plasma proteins J. Biochem. 118 (5), 921-931 (1995)
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Shimizu, N. and Kudoh
Direct Submission
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Hejtmancik,J.F., Oguchi,Y. and Shimizu,N.
Genomic organization of the human myocilin gene
for primary open angle glaucoma (GLC1A)
                                                                                                                                                                                                                                                                                                                                           and chromosomal mapping Genomics 41 (3), 360-369
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                                                                                                                                                                           Submitted (20-JUN-1997) Garchon H.-C
161 rue de Sevres 75743 Paris cedex
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On Nov 20
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A novel myosin-like protein (myocilin) expr cilium of the photoreceptor: molecular clon and chromosomal mapping Genomics 41 (3), 360-369 (1997)
                                                                                                                                                                                             Direct Submission
Submitted (02-OCT-1996) to the DDBJ/EMBL/GenBank databases.
Nobuyoshi Shimizu, Keto University School of Medicine, Depa of Molecular Biology; 35 Shinanomachi, Shinjuku-ku, Tokyo 1 Japan (E-mail:shimizu@dmb.med.keio.ac.jp, Tel:03-3351-2370)
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LTEVPASRILKESPSGYLRSGEGDTGCGELVWVGEPLTLRTAETITGKYGVWMRDPKP
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YFQGAESRTVIRYELNTETVKAEKEIPGAGYHGOFPSWGGYTDDIDAVDEAGLWVY
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Anctil, J.L. and Cote, G.
Molecular diagnostic of glaucomas associated wi and method of treatment thereof Patent: WO 9916898-% 1 08-APR-199; ANCTIL JEAN LOUIS (CA); COTE GILLES (CA) LOCCATION/Qualifiers
                                             AAGTCAGTTCTGGAGGAAGAGAAGAAGCGACTAAGGCAAGAAAATGAGAATCTGGCCAGG
                                                                                            GACCAGCTGGAAACCCAAACCAGAGAGTTGGAGACTGCCTACAGCAACCTCCTCCGAGAC
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae;

1 (bases 1 to 1871)

Anctil,J.L. and Cote,G.

Molecular diagnostic of glaucomas associated with chrand method of treatment thereof

Patent: WO 9916898-A 18 08-APR-1999;

ANCTIL JEAN LOUIS (CA); COTE GILLES (CA)

Location/Qualifiers
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//protein_id="CAC04896.1"
//db_xref="GI:9927934"
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YFQGAESRTVIRVELNTETVKAEEIPGAGYMGYPSKVHILPRPLESTGAVVYSGSL
YFQGAESRTVIRVELNTETVKAEEIPGAGYMGYPSKVHILPRVSSYTSADATVN
STDEAKGAIVLSKLUPENLELEGTWETYKASEITGGTLYTYSSYTSADATVN
FAYDTGTGISKTLTIPFKNRYKYSMIDYNPLEKKLFAWDNLNMVTYDIKLSKM"
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Nguyen,T.D., Polansky,J.R. and Huang,
Trabecular meshwork induced glucocort
acid molecules
Patent: US 5861497-A 2 19-JAN-1999;
Location/Qualifiers
1. 1999
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Sequence
AR066022
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Nguyen, T.D., Polansky, J.R. and Huang, W.
Methods for the diagnosis of glaucoma
Patent: US 5849879-A 2 15-DEC-1998;
Location/Qualifiers
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Nguyen, T.D., Polanaky, J.R. and Huang, W. Methods for the diagnosis of glaucoma L. Patent: US 5854415-A 2 29-DEC-1998;
Location/Qualifiers
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                 gaccagctggaaacccaaaaccagagagttggagactgcctacagcaacctcctccgagac
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                                                                                                                                                                                                                                                                                 Sequence update by submitter
6 (bases 1 to 2000)
Nguyen, T.D.
Direct Submission
Submitted (19-MAR-1998) Ophthalmology, University of California
Francisco, 10 Kirkham Street, San Francisco, CA 94143, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4 (bases 1 to 2000)
Nguyen,T.D. and Polansky,J.R.
Direct Submission
Submitted (13-JAN-1997) Ophthalmology, University of California
Francisco, 10 Kikham Street, San Francisco, CA 94143, USA
5 (bases 1 to 2000)
Nguyen,T.D.
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Human trabecular meshwork inducible
(TICR) mRNA, complete cds.
U85257
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On Mar 19, 1998 this sequence version
Location/Qualifiers
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Submitted (02-APR-1997) Ophthalmology, University of California
Francisco, 10 Kirkham Street, San Francisco, CA 94143, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3 (bases 1 to 2000)

Nguyen,T.D., Chen,P., Huang,W.D., Chen,H.,
Polansky,J.R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Stone E.M., Fingert, J.H., Alward, W.L.M., Nguyen, T.D., Polansky, J.R., Sunden, S.L.F., Nishimura, D., Clark, A.F., Nystuen, A., Nichols, B.E., Mackey, D.A., Ritch, R., Kalenak, J.W., Craven, E.R. and Sheffield, V.C.
Identification of a gene that causes primary open angle glaucoma Science 275 (5300), 668-670 (1997)
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J. Biol. Chem. 273 (11),
98165818
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Mammalia; Eutheria; Primates;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              97158493
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<1. .>2000
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                                                                                                                                                                                                        1. .2000
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TYPYTQETTRRIDTVGTDVRAVEFYDLISQFMQGYPSKVHILPRPLESTGAVVYSGSL
YFQGAASRTVLRYELNTETVKAEKEIPGAFYHGQFPYSGYTDLDLAVDEAGLWVIY
STDEAKGAIVLSKLHPENLEEGTWETNIKGSVANAFTICGTLYTVSSYTSADATVN
FAYDTGTGISKTLTIPFKNRYKYSSMIDYNPLEKKLFAWDNLNWVTYDIKLSKM"
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Pred. No. 4.5e-134;
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Number AF007562"
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Huang, W. and Nguyen, T.D.
DIAGNOSIS AND PRÓGNOSIS OF GLAUCOMA
Patent: WO 9844108-A 2 08-OCT-1998;
HUANG WEIDONG (US); NGUYEN THAI D (US)
LOCATION/Qualifiers
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/db_xref="taxon:32644"
508 c 535 g 42
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Patent WO9844108
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Pred. No. 4.5e-134;
0; Mismatches 1;
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Best Local Similarity
Matches 638; Conserv
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aagtcagttctggaggaagagaagagcgactaaggcaagaaatgagaatctggccagg
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DIAGNOSIS AND PROGNOSIS OF GLAUCOMA
PATENT: WO 9844107-A 2 08-OCT-1998;
UNIVERISITY OF CALIFORNIA (US); HUAN
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Sequence 2 from Patent
A84850
A84850.1 GI:6733713
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